

Title (en)

Automatic startup for a solvent ink printing system

Title (de)

Automatische Inbetriebnahme eines Tintendrucksystems für Lösungsmittelhaltige Tinte

Title (fr)

Mise en marche automatique pour un système d'impression à encre de solvant

Publication

EP 1435293 B1 20060301 (EN)

Application

EP 03256236 A 20031002

Priority

US 33572503 A 20030102

Abstract (en)

[origin: EP1435293A1] An automatic start-up sequence is provided for a continuous inkjet printer that uses volatile inks for printing. At startup, colorless flush fluid is employed to remove in the drop generator (34) and from the exterior of the orifice plate (40) and from the charge plate. Jets of the flush fluid are established. Stimulation is applied to the jets and charge voltage is applied to the associated charging electrodes to deflect the jets toward the catcher (44). Concurrent with the jets being so deflected, the jetting fluid is changed from flush fluid for cleaning to the ink for printing. The ability to control the jets of fluid with charge voltage prevents splattering of fluid on the charge leads during the transition from make-up fluid to ink. <IMAGE>

IPC 8 full level

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CPC (source: EP US)

B41J 2/02 (2013.01 - EP US); **B41J 2/16552** (2013.01 - EP US); **B41J 2/185** (2013.01 - EP US)

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EP 1435293 A1 20040707; **EP 1435293 B1 20060301**; DE 60303755 D1 20060427; DE 60303755 T2 20061019; JP 2004209985 A 20040729; US 2004130605 A1 20040708; US 6890054 B2 20050510

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EP 03256236 A 20031002; DE 60303755 T 20031002; JP 2004000188 A 20040105; US 33572503 A 20030102